

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-67(Cancelled).

68. (Currently amended) : A kit for serological diagnosis of mycobacterial infections comprising at least :

a) a reactant ~~according to claim 66~~ consisting of :

(i) an HBHA protein purified from a preparation of mycobacterium cell walls, or a fragment thereof, determined by epitope mapping; or

(ii) a fragment comprised in the last 30 to 50 amino acids in a C-terminal portion of said HBHA protein or in the last 50 C-terminal amino acids of SEQ ID NO.19; or

(iii) a recombinant peptide sequence which is obtainable by expression in a host cell of a polynucleotide sequence of SEQ ID NO.19, and wherein said recombinant peptide sequence is an HBHA mycobacterial antigen enabling the adhesion of mycobacteria to the sulphated glucides of epithelial cells;

said reactant being coupled to or adsorbed on a support;

b) an anti-antibody antibody, modified such that a detection signal can be coupled thereto.

69. (Previously Presented) : The kit according to claim 68, wherein said anti-antibody antibody is specific for human immunoglobulins.

70. (Previously Presented) : The kit according to claim 68, wherein said anti-antibody antibody is directly or indirectly labelled, either using a labelling substance, or by an enzyme which emits a labelling signal through the transformation of its substrate.

71-84 (Cancelled).